

CLAIM AMENDMENTS:

1-11 cancelled

12. (new) A solar collector module to focus the sun's rays onto a focal line, the module comprising:

a support structure, said support structure having a plurality of form ribs, each of said form ribs having parabolic lateral edges;
an outer skin, said outer skin surrounding said support structure such that said form ribs are clad in said outer skin; and
a trough-shaped, arched reflector, said reflector having a pliable reflector material and a shape defined by said parabolic lateral edges of said form ribs.

13. (new) The module of claim 12, wherein said reflector is disposed directly on said outer skin.

14. (new) The module of claim 12, further comprising a carrier disposed between said outer skin and said reflector.

15. (new) The module of claim 12, wherein said form ribs have a sickle shape.

16. (new) The module of claim 12, wherein said parabolic lateral edges of said form ribs are established by folding or corrugating said form ribs.

17. (new) The module of claim 12, wherein an opposing side of said parabolic lateral edges has a partially circular contour.
18. (new) The module of claim 12, wherein said form ribs and said outer skin constitute an enclosed rigid box structure.
19. (new) The module of claim 12, further comprising a trapezoidal metal sheet disposed between said reflector material and said outer skin to seat on said parabolic lateral edges of said form ribs, said metal sheet having longitudinal grooves running along said trough-shaped reflector, wherein said reflector material seats on said metal sheet.
20. (new) The module of claim 19, wherein said grooves form channels, structured to be sealed at ends thereof.
21. (new) The module of claim 19, wherein said trapezoidal metal sheet and said outer skin are attached to said form ribs.
22. (new) The module of claim 21, wherein said metal sheet and said outer skin are attached to said form ribs using screws, rivets, or adhesive.
23. (new) The module of claim 19, wherein said reflector material is glued to said grooves of said trapezoidal metal sheet.
24. (new) The module of claim 12, wherein said reflector material comprises a metal, a plastic foil, or a thin glass layer, wherein said foil has a reflective surface on its upper side and said glass has a reflective surface on one or both sides.

25. (new) The module of claim 24, wherein said foil or said glass layer has a thickness on the order of 1mm.
26. (new) The module of claim 12, further comprising means for a receiving tube disposed along the focal line and supported by support arms, wherein said support arms are connected to said form ribs and/or to an upper surface of said reflector.